

FIG. 1

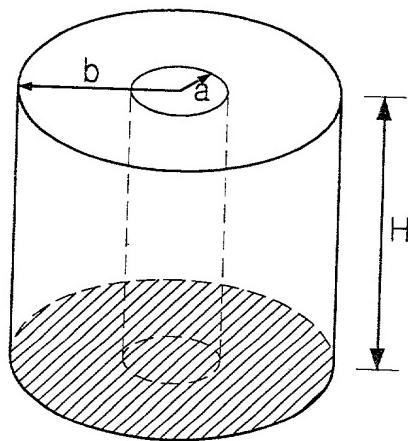


FIG. 2

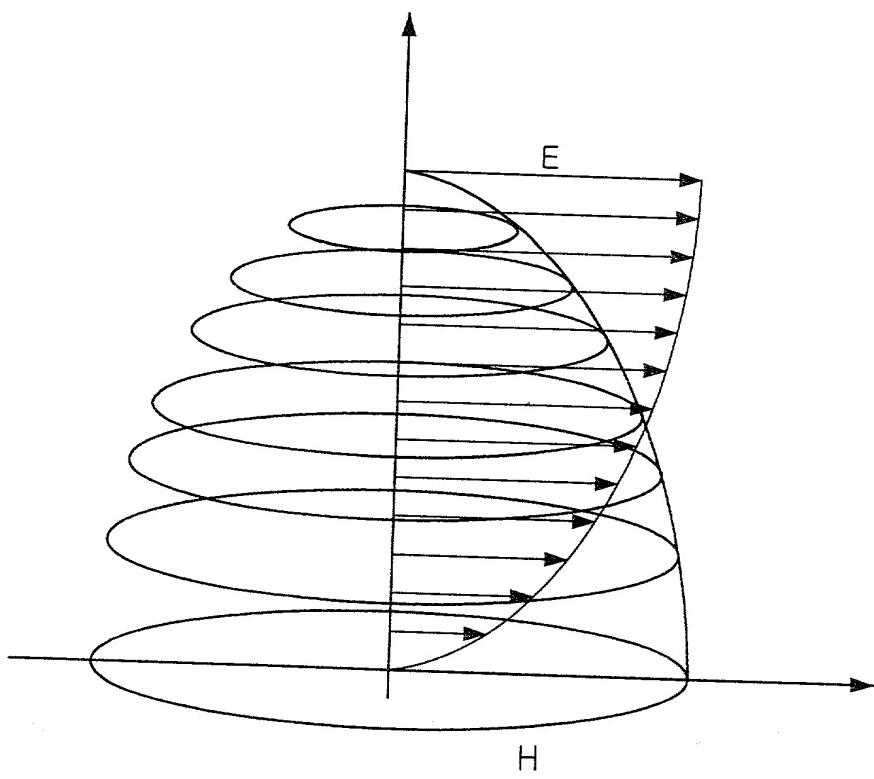


FIG. 3

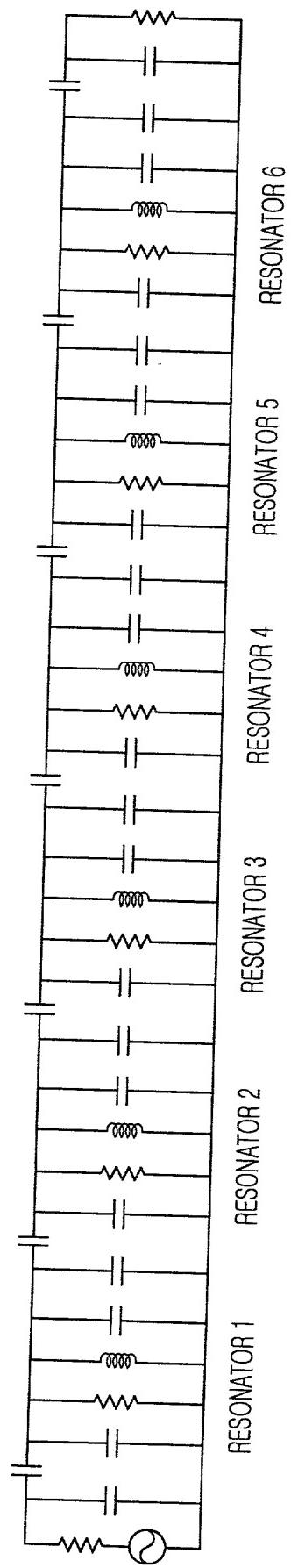


FIG. 4

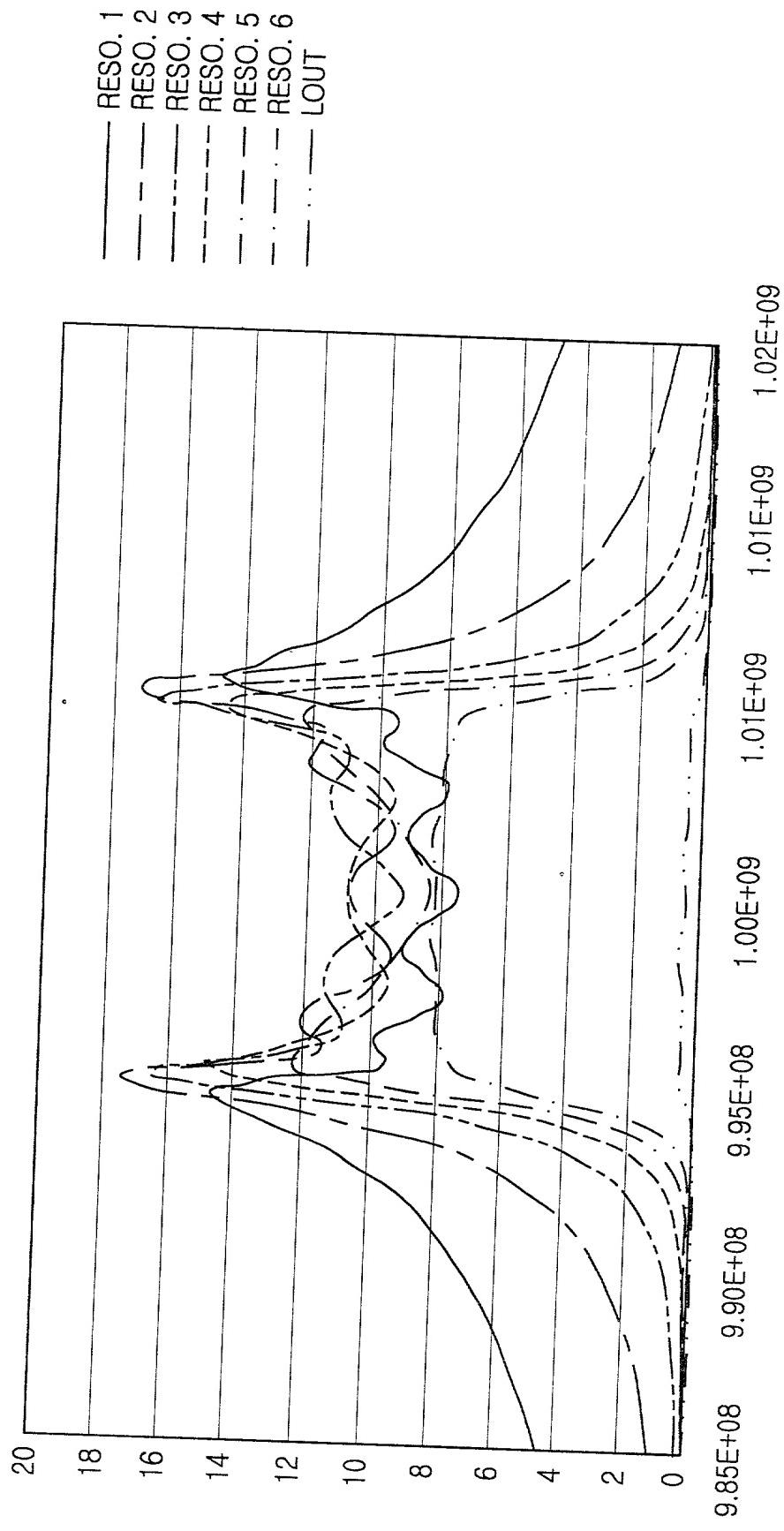


FIG. 5

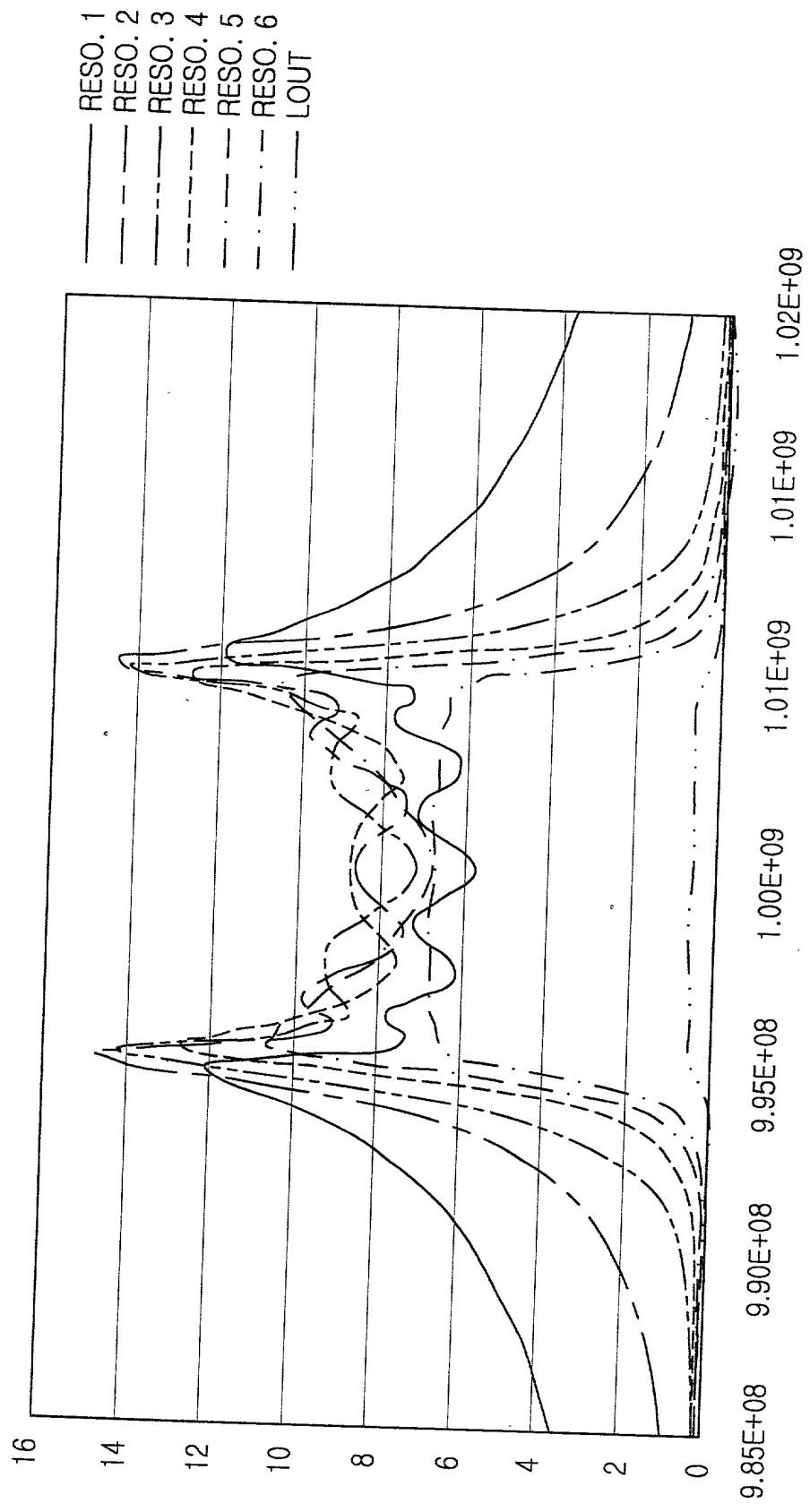


FIG. 6

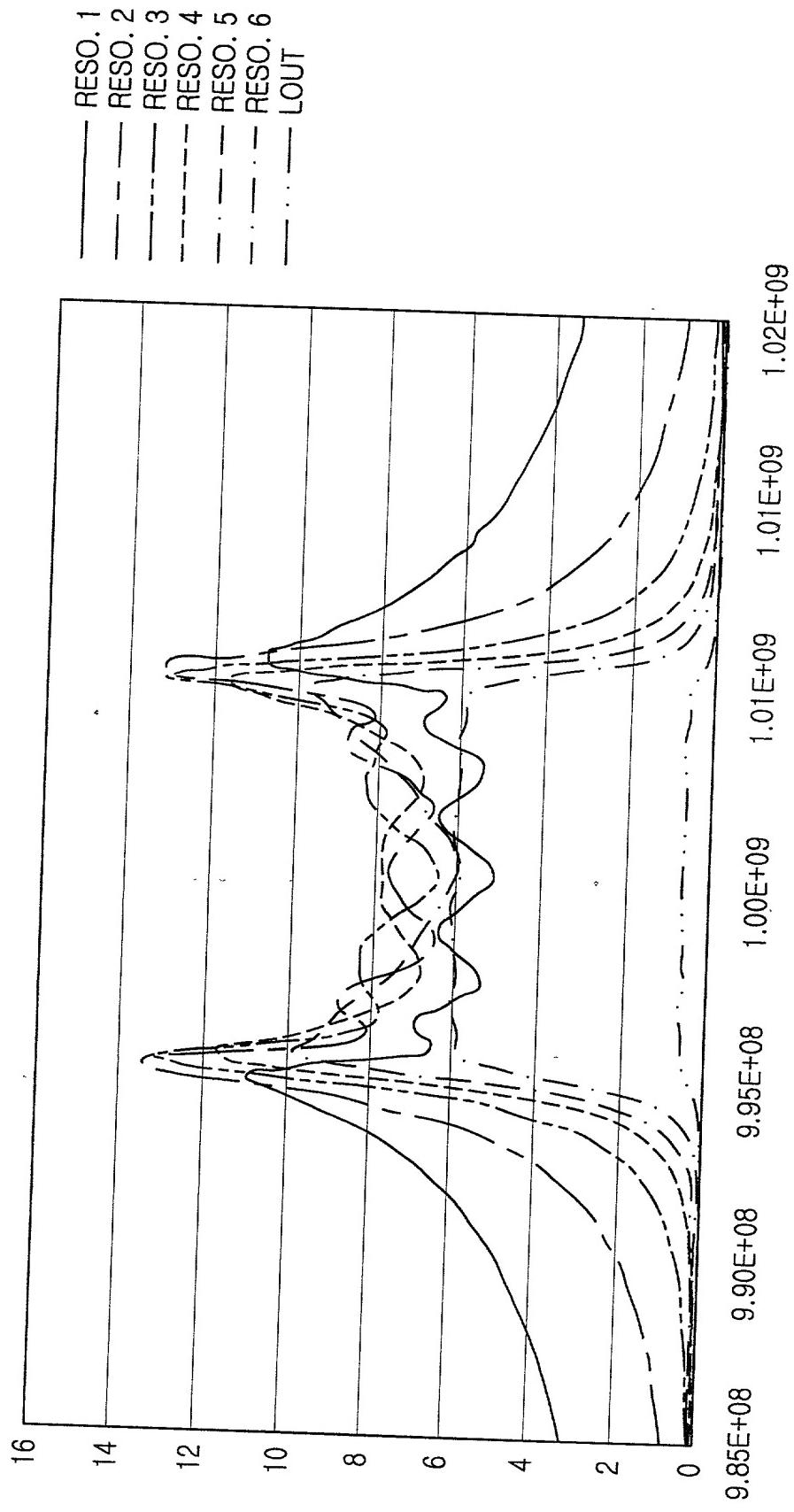


FIG. 7

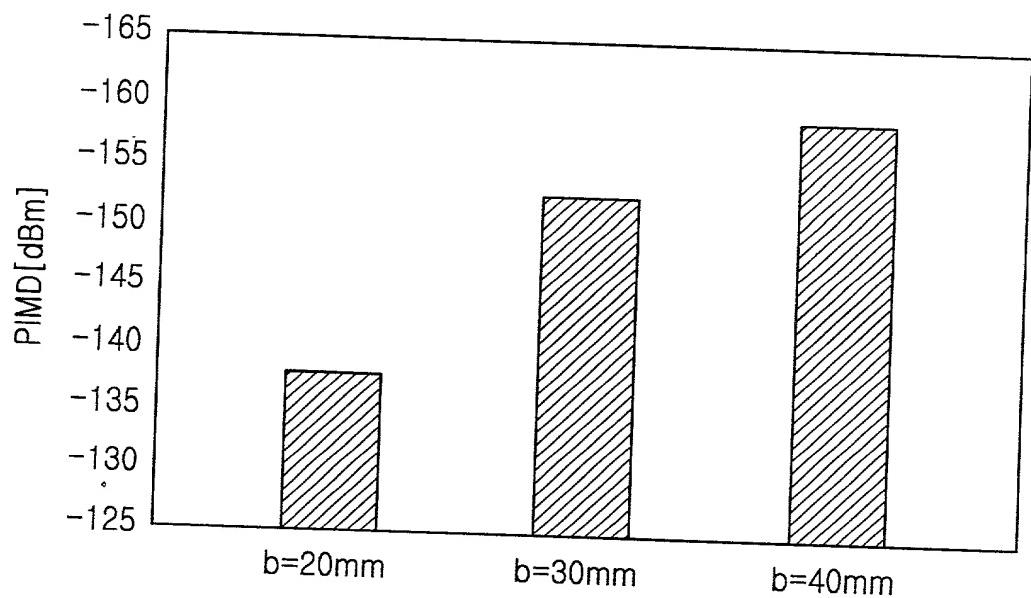


FIG. 8A

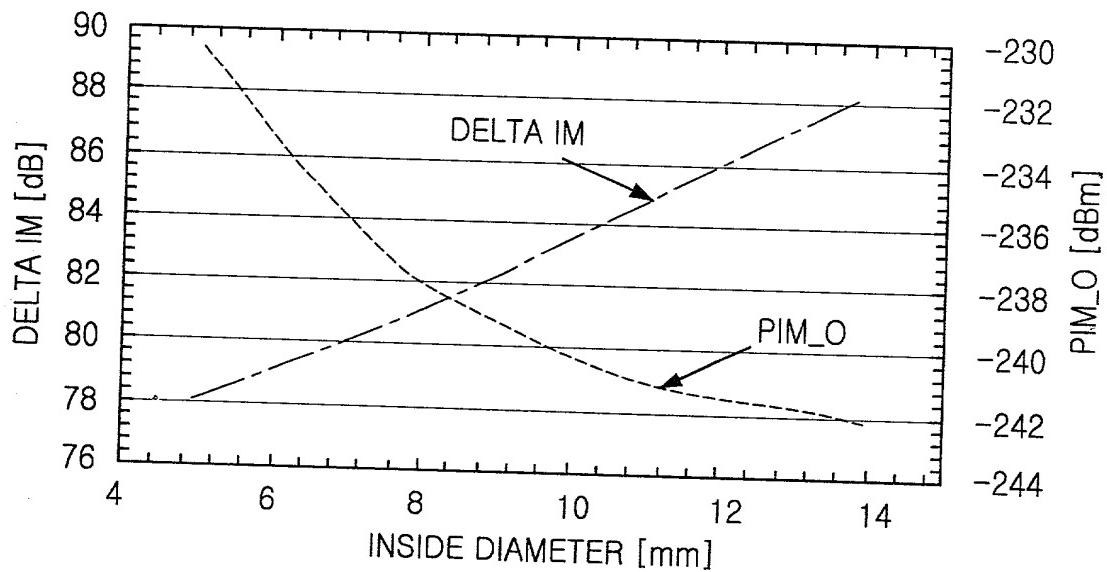


FIG. 8B

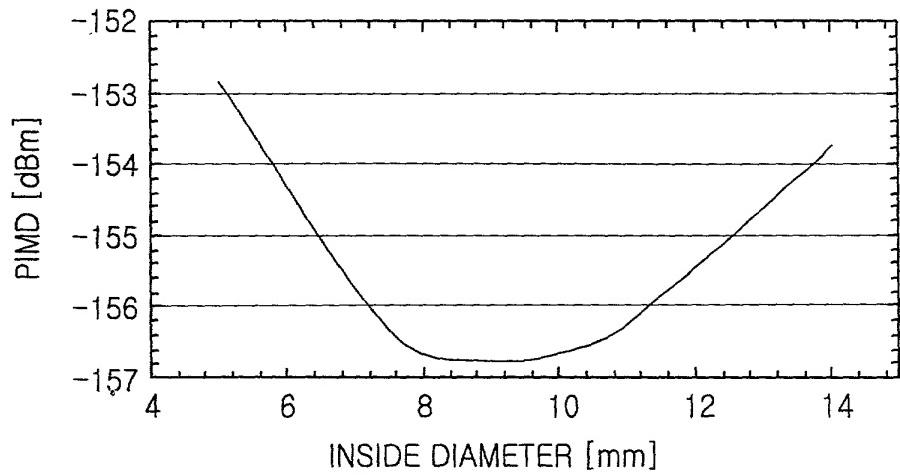


FIG. 9A

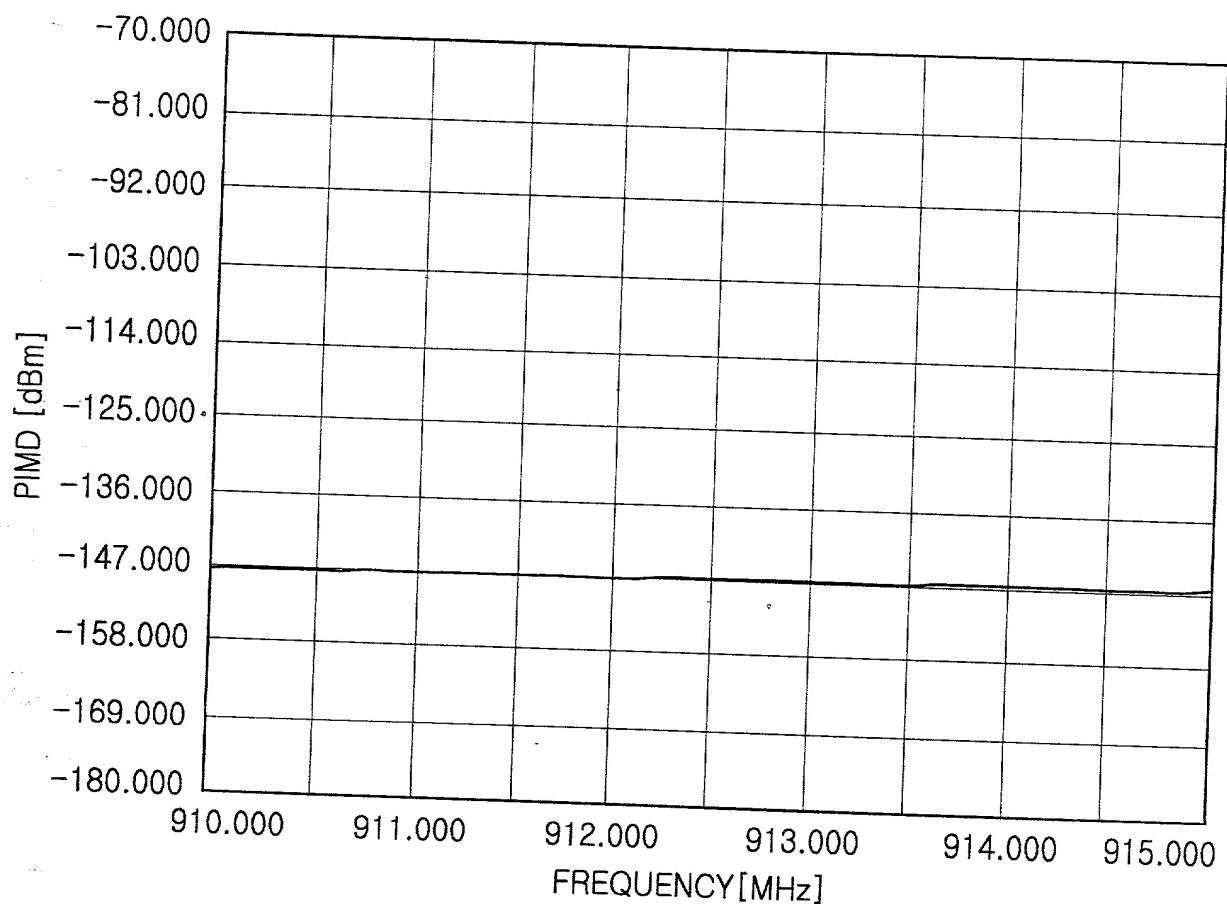


FIG. 9B

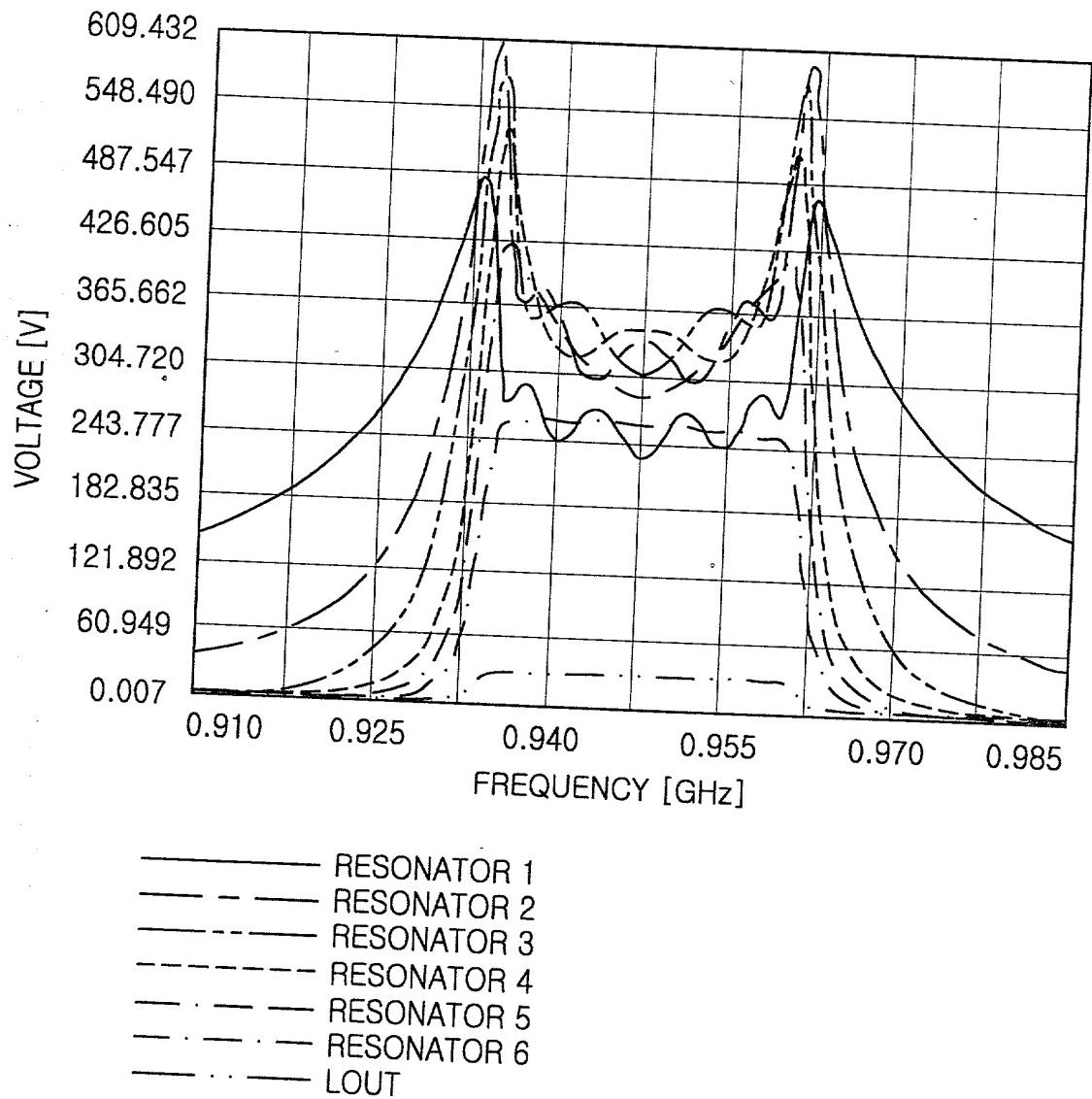


FIG. 9C

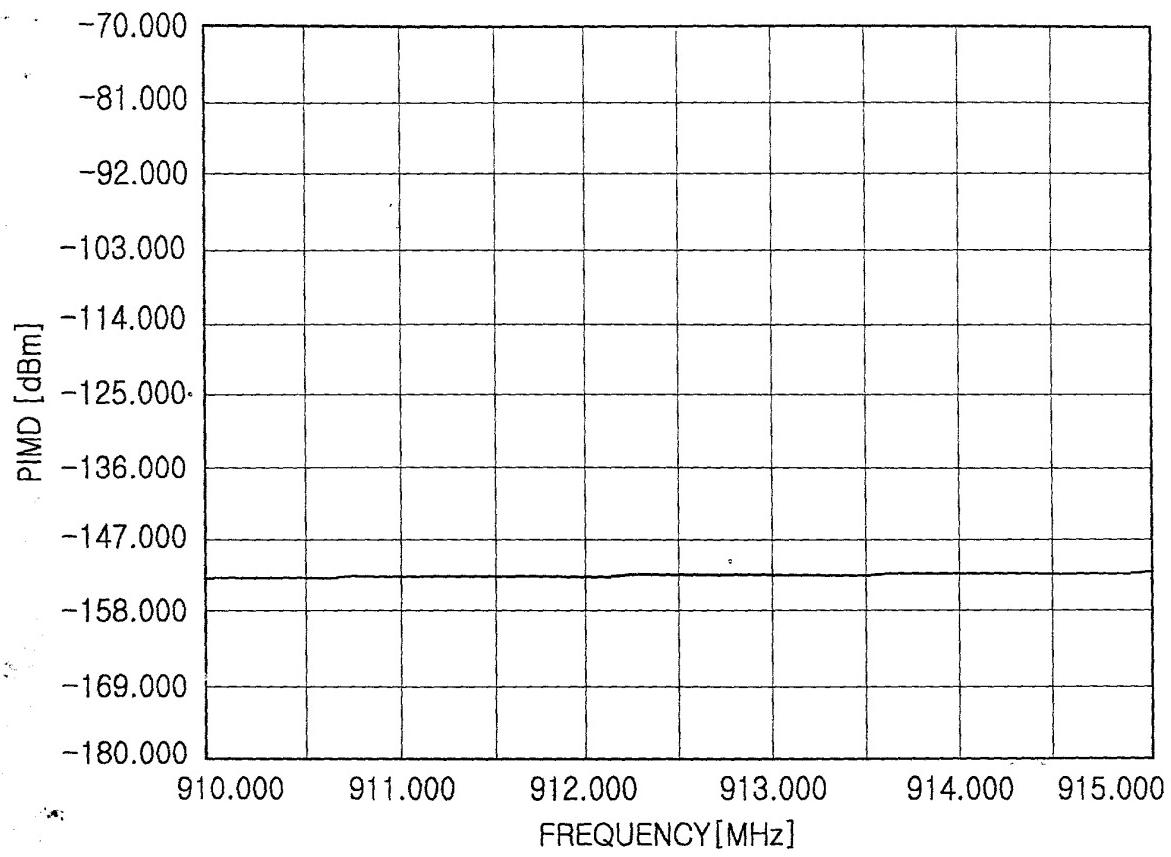
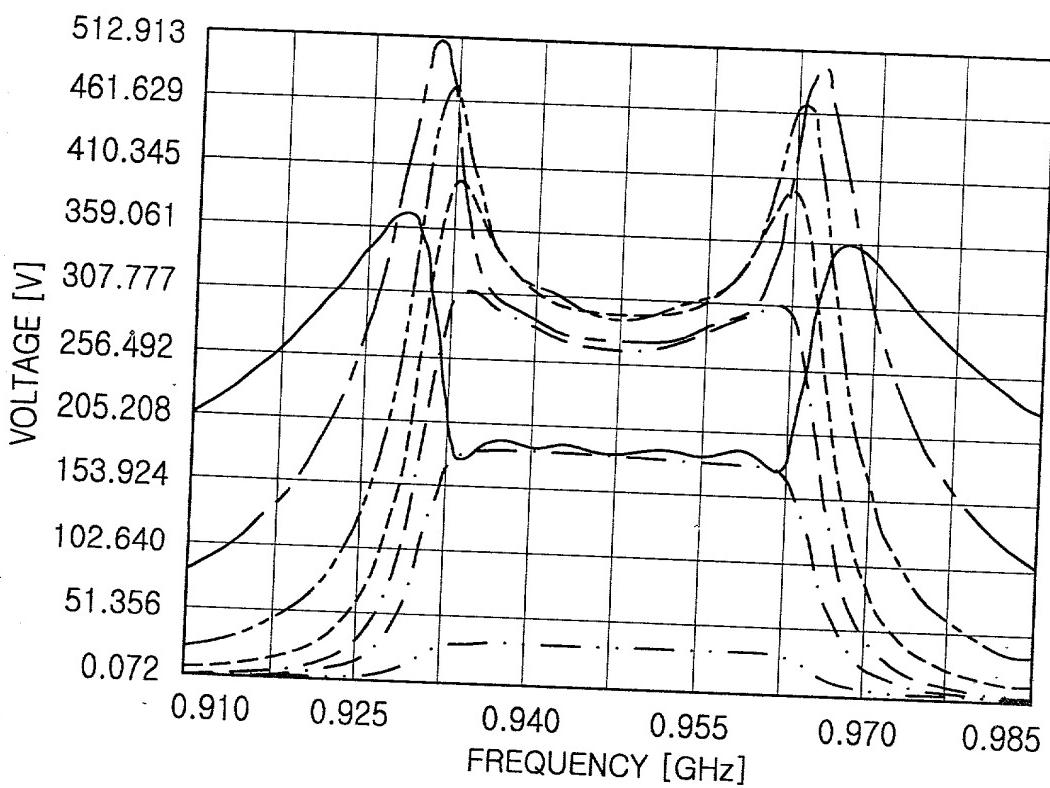


FIG. 9D



- RESONATOR 1
- - - RESONATOR 2
- · - RESONATOR 3
- · - - RESONATOR 4
- · - - - RESONATOR 5
- · - - - - RESONATOR 6
- · - - - - - LOUT

FIG. 10

ELEMENT	a=10mm, b=20mm				a=10mm, b=30mm				a=10mm, b=40mm			
	C[pF]	R[kΩ]	L[nH]	Cc[fF]	C[pF]	R[kΩ]	L[nH]	Cc[fF]	C[pF]	R[kΩ]	L[nH]	Cc[fF]
1	3.00744		266.17	1.89728			211.15	1.50342				187.88
2	3.00557		22.075	1.89638			13.928	1.50284				11.038
3	3.00565	234.	8.42	17.202	1.89635	662.	13.3	10.853	1.50283	1125.	16.8	8.601
4	3.00565	445	765	16.647	1.89635	569	575	10.503	1.50283	335	553	8.324
5	3.00557			17.202	1.89638			10.853	1.50284			8.601
6	3.00744			22.075	1.89728			13.928	1.50342			11.038
7				266.17				211.15				187.88

FIG. 11

STRUCTURE	a=10mm, b=20mm				a=10mm, b=30mm				a=10mm, b=40mm			
	Para.	$\Delta $	ΔP_M	P_{M0}	$\Delta $	ΔP_M	P_{M0}	$\Delta $	ΔP_M	P_{M0}	$\Delta $	ΔP_M
Reso.1	25.76	84.66	-231.4		20.27	78.42	-240.2		17.99	75.31	-244.4	
Reso.2	30.64	89.18	-231.4		24.71	83.57	-240.2		22.15	80.73	-244.4	
Reso.3	29.06	87.80	-231.4	-138.4	23.92	82.73	-240.2	-152.6	21.61	80.08	-244.4	-159.7
Reso.4	26.03	84.93	-231.4		21.29	79.69	-240.2		19.22	77.03	-244.4	
Reso.5	21.55	80.01	-231.4		17.92	75.20	-240.2		16.23	72.62	-244.4	